IN THE CLAIMS:

Please substitute the following claims for the same-numbered claims in the application:

1.   (Currently Amended) A method for constructing extensible markup language (XML) transactions comprising an XML format run on a computer system, said method comprising:

establishing an original pre-defined data type definition format for an XML transaction;

creating a copy of said original pre-defined data type definition format for said XML transaction;

pre-building static structures of said XML transaction<u>, wherein said static structures comprise a pre-built XML data structure with pre-filled values based on a transaction type of said XML transaction and a predetermined trading partner profile</u>;

classifying dynamic structures of said XML transaction with empty tags and single occurrence classifiers for repeating dynamic structures;

building a list of a sequence of said static and dynamic structures;

linking said list to [[a]] <u>the</u> type of XML transaction and [[a]] <u>said</u> predetermined trading partner profile; ~~and~~

combining said static structures with said dynamic structures at a runtime of said XML transaction based on said sequence, said type of XML transaction, said trading partner profile, and said dynamic structures of said XML transaction, wherein an occurrence of said runtime of said XML transaction occurs when said XML transaction is sent to a trading partner<u>, wherein said combining comprises filling the empty tags of said dynamic structures</u>; and

constructing a final XML structure based on the combining process, wherein said final XML structure <u>comprises fully built dynamic structures that comprise completely filled tags, and wherein said final XML structure</u> is validated by comparing said final XML structure against said copy of said original data type definition format for said XML transaction.

2.   (Original) The method of claim 1, wherein said XML transaction occurs in a business-to-business (B2B) electronic environment.

3.   (Original) The method of claim 1, further comprising predefining said trading partner profile associated with a predetermined trading entity.

4.   (Original) The method of claim 1, wherein said pre-building of said static structures occurs prior to runtime of said XML transaction.

5.   (Previously Presented) The method of claim 1, wherein the construction of said final XML structure follows definitions established by said copy of said original data type definition format for said XML transaction.

6.   (Original) The method of claim 1, further comprising filling said empty tags of said dynamic structures with business data values and building multiple repeating dynamic structures at runtime of said XML transaction.

7.   (Cancelled).

8.   (Original) The method of claim 3, wherein said trading partner profile comprises partner data, communication protocol data, transaction data, transaction format data, and XML format version data.

9.   (Previously Presented) The method of claim 3, wherein said pre-building of said static structures and a pre-building of said dynamic structures occurs at a time of installation of said trading partner profile in a database in said computer system.

10.   (Original) The method of claim 9, further comprising:

        linking said static structures to a type of XML transaction and said predetermined trading partner profile; and

        storing the linked static structures in said database.

11.   (Currently Amended) A program storage device readable by computer, tangibly embodying a program of instructions executable by said computer to perform a method for constructing extensible markup language (XML) transactions comprising an XML format run on a computer system, said method comprising:

        establishing an original pre-defined data type definition format for an XML transaction;

        creating a copy of said original pre-defined data type definition format for said XML transaction;

pre-building static structures of said XML transaction, <u>wherein said static structures</u> <u>comprise a pre-built XML data structure with pre-filled values based on a transaction type of</u> <u>said XML transaction and a predetermined trading partner profile</u>;

classifying dynamic structures of said XML transaction with empty tags and single occurrence classifiers for repeating dynamic structures;

building a list of a sequence of said static and dynamic structures;

linking said list to [[a]] <u>the</u> type of XML transaction and [[a]] <u>said</u> predetermined trading partner profile; ~~and~~

combining said static structures with said dynamic structures at a runtime of said XML transaction based on said sequence, said type of XML transaction, said trading partner profile, and said dynamic structures of said XML transaction, wherein an occurrence of said runtime of said XML transaction occurs when said XML transaction is sent to a trading partner, <u>wherein</u> <u>said combining comprises filling the empty tags of said dynamic structures</u>; and

constructing a final XML structure based on the combining process, wherein said final XML structure <u>comprises fully built dynamic structures that comprise completely filled tags, and</u> <u>wherein said final XML structure</u> is validated by comparing said final XML structure against said copy of said original data type definition format for said XML transaction.

12. (Original) The program storage device of claim 11, wherein said XML transaction occurs in a business-to-business (B2B) electronic environment.

13. (Original) The program storage device of claim 11, wherein said method further

comprises predefining said trading partner profile associated with a predetermined trading entity.

14. (Original) The program storage device of claim 11, wherein said pre-building of said static structures occurs prior to runtime of said XML transaction.

15. (Previously Presented) The program storage device of claim 11, wherein the construction of said final XML structure follows definitions established by said copy of said original data type definition format for said XML transaction.

16. (Original) The program storage device of claim 11, wherein said method further comprises filling said empty tags of said dynamic structures with business data values and building multiple repeating dynamic structures at runtime of said XML transaction.

17. (Cancelled).

18. (Original) The program storage device of claim 13, wherein said trading partner profile comprises partner data, communication protocol data, transaction data, transaction format data, and XML format version data.

19. (Previously Presented) The program storage device of claim 13, wherein said pre-building of said static structures and a pre-building of said dynamic structures occurs at a time of installation of said trading partner profile in a database in said computer system.

20.   (Original) The program storage device of claim 19, wherein said method further comprises:

linking said static structures to a type of XML transaction and said predetermined trading partner profile; and

storing the linked static structures in said database.

21.   (Currently Amended) A computer system operable for constructing extensible markup language (XML) transactions comprising an XML format, said computer system comprising:

means for establishing an original pre-defined data type definition format for an XML transaction;

means for creating a copy of said original pre-defined data type definition format for said XML transaction;

means for pre-building static structures of said XML transaction, wherein said static structures comprise a pre-built XML data structure with pre-filled values based on a transaction type of said XML transaction and a predetermined trading partner profile;

means for classifying dynamic structures of said XML transaction with empty tags and single occurrence classifiers for repeating dynamic structures;

means for building a list of a sequence of said static and dynamic structures;

means for linking said list to [[a]] the type of XML transaction and [[a]] said predetermined trading partner profile; and

means for combining said static structures with said dynamic structures at a runtime of

said XML transaction based on said sequence, said type of XML transaction, said trading partner profile, and said dynamic structures of said XML transaction, wherein an occurrence of said runtime of said XML transaction occurs when said XML transaction is sent to a trading partner, wherein said combining comprises filling the empty tags of said dynamic structures; and

means for constructing a final XML structure based on the combining process, wherein said final XML structure comprises fully built dynamic structures that comprise completely filled tags, and wherein said final XML structure is validated by comparing said final XML structure against said copy of said original data type definition format for said XML transaction.

22.   (Previously Presented) The computer system of claim 21, further comprising:

means for predefining said trading partner profile associated with a predetermined trading entity;

means for filling said empty tags of said dynamic structures with business data values and building multiple repeating dynamic structures at runtime of said XML transaction;

means for linking said static structures to a type of XML transaction and said predetermined trading partner profile; and

means for storing the linked static structures.

23.   (Previously Presented) The computer system of claim 21, wherein said static structures are pre-built prior to runtime of said XML transaction.

24.   (Previously Presented) The computer system of claim 21, wherein said static structures

and said dynamic structures are pre-built at a time of installation of said trading partner profile in a database of said computer system.